



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/601,152	06/20/2003	Jerral A. Long	DP-309714	6917
22851 7590 02/07/2007 DELPHI TECHNOLOGIES, INC. M/C 480-410-202 PO BOX 5052 TROY, MI 48007			EXAMINER ZHENG, EVA Y	
			ART UNIT	PAPER NUMBER
			2611	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		02/07/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

5

Office Action Summary	Application No. 10/601,152	Applicant(s) LONG ET AL.	
	Examiner Eva Yi Zheng	Art Unit 2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11/22/06.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-18 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being unpatentable by Godwin et al. US. Patent No.:(6,728,269).

- a) Regarding to claim 1, Godwin et al. disclose an RF receiver (12 in Fig. 1) comprising:

an input for receiving an RF signal containing a stream of broadcast data (32 in Fig. 1), said stream of broadcast data including primary data and regional data, wherein the primary data is intended to be distributed over a broadcast area and the regional data is specific to a plurality of predetermined geographic regions of the broadcast area (Col 12, L17-52; receiving dish 32 receive all broadcasted signals and IRD 34 allow user to select one or more desirable signals.);

a device for selecting a user specific region (66 in Fig. 3; Col 14, L 18-32);

a decoder for acquiring the regional data from the stream of broadcast data (38 in Fig. 1; Col 12, L48-52);

a data processor for processing the regional data and the selected user specific region to obtain the regional data specific to one of the plurality of geographic regions designated for the selected user specific region (67 in Fig. 3; Col 14, L39-45); and

an output for outputting the regional data specific to the one of the plurality of geographic regions pertaining to the selected user specific region (36 in Fig. 3).

b) Regarding to claim 10, Godwin et al. disclose a method of providing regional data from a stream of broadcast data to a user via an RF receiver (12 in Fig. 1), said method comprising the steps of:

receiving an RF signal containing a stream of broadcast data (32 in Fig. 1), said stream of broadcast data including primary data and regional data, wherein the primary data is intended to be distributed over a broadcast area and the regional data is specific to a plurality of predetermined geographic regions of the broadcast area (Col 12, L17-52; receiving dish 32 receive all broadcasted signals and IRD 34 allow user to select one or more desirable signals.);

receiving a selection of a user specific region (66 in Fig. 3; Col 14, L 18-32);

acquiring the regional data from the stream of broadcast data (38 in Fig. 1; Col 12, L48-52);

processing the regional data and the selected user specific region to obtain the regional data specific to one of the plurality of geographic regions designated for the selected user specific region (67 in Fig. 3; Col 14, L39-45); and

providing the regional data specific to the one of the plurality of geographic regions pertaining to the selected user specific region as an output (36 in Fig. 3).

- c) Regarding to claims 2 and 12, Godwin et al. disclose wherein the device for selecting the user specific region comprise a user interface input (geographic identifier memory 66 may be input manually; Col 14, L25-33).
- d) Regarding to claims 3 and 11, Godwin et al. disclose wherein the RF broadcast data comprises digital data (Col 10, L58-Col 11, L14).
- e) Regarding to claims 4 and 17, Godwin et al. disclose wherein the RF receiver comprises a digital radio receiver (Col 10, L58-Col 11, L14).
- f) Regarding to claims 5 and 18, Godwin et al. disclose wherein the receiver is employed on a vehicle (Col 14, L18-24; inexplicitly disclosed).
- g) Regarding to claims 6 and 13, Godwin et al. disclose wherein the data processor processes a block of regional data having a region identifier and compares the selected user specific region to the region identifier to determine if the block of regional data pertains to the selected user specific region (Col 14, L40-45).
- h) Regarding to claims 7 and 14, Godwin et al. disclose wherein the data processor performs a de-interleaving routine to compile regional data pertaining to the selected user specific region (40 in Fig. 1; Col 12, L53-Col 13, L2).

Art Unit: 2611

- i) Regarding to claims 8 and 15, Godwin et al. disclose wherein the de-interleaving routine complies regional data from a plurality of blocks of regional data within the stream of broadcast data (40 in Fig. 1; Col 12, L53-Col 13, L2).
- j) Regarding to claim 9, Godwin et al. disclose wherein the input comprises an antenna (32 in Fig. 1).
- k) Regarding to claim 16, Godwin et al. disclose wherein the broadcast data comprises audio radio data (Col 10, L58-Col 11, L14).

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Art Unit: 2611

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eva Y Zheng whose telephone number is 571-272-3049. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eva Yi Zheng
Examiner
Art Unit 2611

January 29, 2007


CHIEH M. FAN
SUPERVISORY PATENT EXAMINER